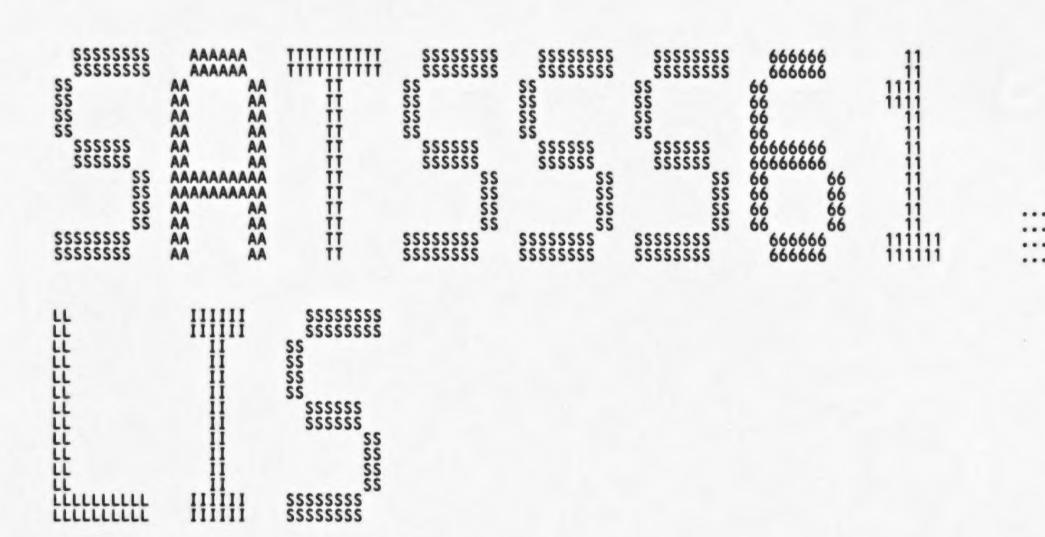
000 000 000 000 000 000				PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	\$	YYY YYY YYY YYY YYY YYY YYY YYY YYY YY
UUU UUU UUU UUU UUU		EEE EEEEEEEEEEE EEEEEEEEEEE EEE EEE	111 111 111 111 111 111	PPP PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	\$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$	444 444 444 444 444 444 444
UUU	UUU		††† ††† ††† ††† ††† †††	PPP PPP PPP PPP PPP PPP	\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$	YYY YYY YYY YYY YYY YYY



SATSSS61 Table of contents	SATS SYST SERV TESTS \$SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00	Page 0
(1) 55 (1) 119 (1) 167 (1) 260 (1) 353 (1) 446 (1) 623 (2) 685	DECLARATIONS CONDITION TABLES TM_SETUP. TM_CLEANUP CONDITION SUBROUTINES - SETUP AND CLEANUP FORM_CONDS VERIFY VFY_CLEANUP WATCH_AST	

SAT VO4

SAT VO4

.TITLE SATSSS61 SATS SYST SERV TESTS \$SCH/CANWAK (SUCC S.C.)

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: FACILITY: SYSTST (SATS SYSTEM SERVICE TESTS)

ABSTRACT:

THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSSS61 TO TEST SUCCESSFUL OPERATION OF THE \$SCH/CANWAK SYSTEM SERVICE. THE SERVICE IS INVOKED UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE. CORRECT OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY CHECKING FOR AN SS\$ NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS AND EXPECTED FUNCTIONALITY PERFORMED.

ENVIRONMENT: USER MODE IMAGE: NEEDS CMKRNL PRIVILEGE. DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.

AUTHOR: THOMAS L. CAFARELLA. CREATION DATE: APR, 1977

MODIFIED BY:

V03-001 LDJ0001 Larry D. Jones, 23-Jun-1983 Removed the quota list to force the use of the default sysboot quotas.

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SATS SYST SERV TESTS \$SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 Page DECLARATIONS 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1 .SBTTL DECLARATIONS INCLUDE FILES: : PRIVILEGE BIT DEFINITIONS : PROCESS HEADER OFFSETS : PROCESS QUOTA CODES : PCB LABELS : DEVICE INFO BLOCK OFFSETS **SPRVDEF** \$PHDDEF SPOLDEF \$PCBDEF SDIBDEF MACROS: : EQUATED SYMBOLS: ONE_SEC 00989680 = 10*1000*1000 ; 10 MILLION 100-NANOSECOND UNITS (OR 1 SEC) OWN STORAGE:

SATSSS61 V04-000

```
SATSSS61
V04-000
                                                                    SATS SYST SERV TESTS $SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 DECLARATIONS 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1
                                                                                                                                                                                                                                                                     Page
                                                                     00000000
0000
0009
0019
0039
0039
0051
                                                                                                     PSECT RODATA, RD, NOWRT, NOEXE, LONG
TEST_MOD_NAME:: STRING C, <SATS$561> : TEST MODULE
TEST_MOD_NAME_D: STRING I, <SATS$561> : TEST MODULE
MSG1_INP_CTL: STRING I, < SSSCW! 4ZW: CONDITIONS:>
                                                                                                                                                                                               TEST MODULE NAME DESCRIPTOR
                                                                                                                                                                                               FAO CTL STRING FOR MSG1 IN SUCCOMMON.MAR
                                                                                                                                       STRING I, < *SSSCW!4ZW: !AS>
                                                                                                      MSG3_ERR_CTL::
                                                                                                                                                        ; FAO CTL STRING FOR MSG3 IN SUCCOMMON.MAR I. <SATSSS61 CRE>; PROCESS & MBX NAME FOR CREATED PROCESS I. <SYSTST$RES:SATSUTO7.EXE>; IMAGE NAME FOR CREATED PROC /SS61/ ; STRING DESCRIPTOR FOR CLUSTER
                                                                                                                                        STRING
                                                                                                      SUBJPRN:
                                                                                                      IMAGNAM:
             31 36 53 53 0000008C'010E0000'
                                                                                                      CLUSTER:
                                                                                                                                         . ASCID
                                                                                                                                                                                                       FOR CREATED PROCESS COMMUNICATION
                                                                              INFINITE CPU
BYTE LIMIT FOR BUFFERED I/O
OPEN FILE COUNT LIMIT
PAGING FILE QUOTA
                                                                                                                                                        CPULM, 0
BYTLM, 512
FILLM, 2
                                                                                              :QUOTALIST:
                                                                                                                                         SQUOTA
                                                                                                                                         SQUOTA
                                                                                                                                         SQUOTA
                                                                                                                                                        PGFLQUOTA,10
PRCLM,2
TQELM,3
                                                                                                                                         SQUOTA
                                                                                                                                                                                                SUBPROCESS QUOTA
                                                                                                                                         SQUOTA
                                                                                                                                                                                          ; SUBPROCESS QUOTA

; TIMER QUEUE ENTRY QUOTA

; DEFINES END OF LIST

; DELTA TIME VALUE FOR 1 SECONDS

; DELTA TIME VALUE FOR 3 SECONDS

; DELTA TIME VALUE FOR 10 SECONDS

; DELTA TIME VALUE FOR A QUARTER-SECOND

; 3 SECONDS (POSITIVE VALUE)

21:46:00.00> ; A TIME IN THE PAST
                                                                                                                                         SQUOTA
                                                                                                                                         SQUOTA
                                                                                                                                                         LISTEND
                                                                                                    DELTA_1SEC:
DELTA_2SEC:
DELTA_3SEC:
DELTA_1OSEC:
DELTA_QSEC:
POS_3SEC:
TIME_PAST:
                                                                                                                                                        -ONE SEC,-1

-2*ONE SEC,-1

-3*ONE SEC,-1

-10*ONE SEC,-1

-<ONE SEC/4>,-1

3*ONE SEC,0

I,<25=DEC-1973
                                      FFFFFFF FF676980
                                                                                                                                         .LONG
                                      FFFFFFF FECED300
FFFFFFFF FE363C80
                                                                                                                                         . LONG
                                                                                                                                         . LONG
                                      FFFFFFF FAOA1FOO
                                                                                                                                         .LONG
                                      FFFFFFF FFD9DA60
                                                                                                                                         .LONG
                                      00000000 01090380
                                                                                                                                         . LONG
                                                                                                                                        STRING
```

SATSSS61 V04-000 SATS SYST SERV TESTS \$SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 Page 4 DECLARATIONS 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1 (1)

00000000 00000008 0000 0000000C 0008 000C 000C	101 .PSECT 102 PRIVMASK: 103 MBXCHAN: 104 MBXCHANINFO: 105	RWDATA, RD, WRT, NOEXE, LONG .BLKQ 1 .BLKL 1 .LONG DIB\$K_LENGTH	ADDR OF PRIVILEGE MASK (IN PHD) CHAN. NO. FOR MAILBOX FOR CREATED PROCESS CHANNEL INFO RETURNED BY GETCHN
00000074 00000014 0000 000000088 0014 00000080 0088 0080	106 107 108 MBXUNIT: 109 MBXBUFF: 110 DEST_PIDADR:	.ADDRESS .+4 .BLKB DIB\$K_LENGTH .BLKL 1 STRING 0,120	SAVE AREA FOR MAILBOX UNIT NUMBER MAILBOX BUFFER FOR CREATED PROCESS
00000114 0110 00000000 0114 0000011C 0118 00000120 011C	111 ZEROPID: 112 SELFPID: 113 CREPID: 114 SUBJPID:	BLKL 1 LONG 0 BLKL 1 BLKL 1	DESTINATION PID ADDR, WRITTEN BY S.S. PID OF ZEROES PID OF THIS PROCESS PID OF CREATED PROCESS PID OF SUBJECT PROCESS (SELF OR OTHER)
00000128 0120 00000130 0128 00000131 0130	115 ABS_3SEC: 116 ABS_PAST: 117 LONG_WAIT:	BLKQ 1 BLKQ 1 BLKB 1	WILL HOLD ABS TIME VALUE FOR NOW + 3 SECS WILL HOLD ABS TIME VALUE FOR TIME IN PAST LONG WAIT INDICATOR; 0=NO LONG WAIT

```
6 10
                         SATS SYST SERV TESTS $SCH/CANWAK (SUCC CONDITION TABLES
                                                                                                    16-SEP-1984 00:59:38
5-SEP-1984 04:32:50
                                                                                                                                           VAX/VMS Macro V04-00
CUETPSY.SRCJSATSSS61.MAR;1
                                                                                                                                                                                                           (1)
                                                                      .SBTTL CONDITION TABLES
                                                120
121
123
123
125
127
                                                                      **** CONDITION TABLES FOR SCH/CANWAK SYSTEM SERVICE *****
                                                                                    1, NOTARG, <PID ADDRESS>, -
<NOT SPECIFIED>, -
<SPECIFIED, NON-ZERO>, -
<SPECIFIED, ZERO>, -
                                                                      COND
                00000000°
00000110°
                                                                                            . ADDRESS
                                                                                            . ADDRESS
                                                                                                                  SUBJPID
                                                                                            . ADDRESS
                                                                                                                  ZEROPID
                                                                                    2, NOTARG, <PROCESS NAME ADDRESS>, -
<SPECIFIED>, -
<NOT SPECIFIED>, -
                                                                     COND
                00000051'
                                                                                            . ADDRESS
                                                                                                                  SUBJPRN
                                                                                            . ADDRESS
                                                                     COND
                                                                                    3.NOTARG, <PROCESS TYPE>,-
                                                                                        <SELF>,-
<SUBPRÓCESS>,-
                                                                                        <DETACHED, DIFFERENT GROUP>,-
<DETACHED, SAME GROUP, SAME MEMBER>,-
<DETACHED, SAME GROUP, DIFFERENT MEMBER>,-
                                               .LONG
                 FFFFFFF
                                                                                                                  *XFFFFFFFF
                                                                                                                                                  PSEUDO-UIC
                00000000
0000267
00000268
0000026F
                                                                                            . LONG
                                                                                                                                                  PSEUDO-UIC
                                                                                                                                                 UIC
                                                                                            .BLKL
                                                                                            .BLKL
                                                                                            .BLKL
                                                                                                                                                  UIC
                                                                                   4.NOTARG. CORDERING OF CANCEL/WAKE/REPEAT>.-

CANCEL, WAKE. REPEAT>.-

WAKE. CANCEL. REPEAT>.-

WAKE. REPEAT. CANCEL>.-

WAKE. CANCEL>.-
                                                                     COND
00000090'00000120'
00000000'00000090'
00000000'00000000'
                                                                                                                 ABS_3SEC.DELTA_1SEC : DAYTIM, REPTIM ARG ADDRESSES DELTA_1SEC.DELTA_3SEC : DAYTIM, REPTIM ARG ADDRESSES ONES.ONES : DAYTIM, REPTIM ARG ADDRESSES DELTA_1SEC.O : DAYTIM, REPTIM ARG ADDRESSES
                                                                                            . ADDRESS
                                                                                            . ADDRESS
                                                                                            . ADDRESS
                                                                                            . ADDRESS
                                                                     COND
                                                                                    5. NULL
                           00000000
                                                                      .PSECT SATSSS61, RD, WRT, EXE
```

SATSSS61 V04-000

MODE MOVAL MOVAL

MODE

59 00000000 °9F 69

DO

TO,5\$,KRNL : KERNEL MODE TO ACCESS PHD

#CTL\$GL PHD,R9 : GET PROCESS HEADER ADDRESS

PHD\$Q PRIVMSK(R9),PRIVMASK : GET PRIV MASK ADDRESS

FROM,5\$: BACK TO USER MODE

ADD,ALL : GET ALL PRIVILEGES

SAT

SATSSS61 V04-000	SATS SYS	T SERV TESTS	\$SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 Page 7 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1 (1)
	007 008 00B 00C 00E 00F 012	7 223 2 224 2 225 1 226 F 227 6 228 4 229	SSETPRN S TEST MOD_NAME_D SS_CHECK NORMAL SWAKE_S SELFPID SS_CHECK NORMAL SHIBER_S SS_CHECK NORMAL SCHECK FOR NORMAL RETURN CHECK FOR NORMAL RETURN CHECK FOR NORMAL RETURN CHECK FOR NORMAL RETURN
59 00000000°9F 59 00BC C9	012 012 012 014 00 014 00 015	231 : 232 : 7 233 E 234	MODE TO,20\$,KRNL ; KERNEL MODE TO ACCESS PCB MOVL a#SCH\$GL_CURPCB_R9 ; GET_CURRENT PCB_ADDRESS MOVL PCB\$L_UIC(R9)_R9 ; PICK_UP_UIC_FROM PCB MODE FROM,20\$; AND GET_BACK_TO_USER_MODE
59 00010000 8F 0000025B'EF4A	9A 015 C1 015	236 : R9 237 : R9 238 :	MOVZBL #2,R10 ADDL3 #~X10000,R9,COND3_E[R10]; GET COND3 TABLE INDEX NUMBER INTO A REG
0000025B'EF4A 59 0000025B'EF4A 59 01	D6 016 D0 016 D6 016 C1 017	241 242 243 2445 2445 2445 2446 2447 2448 2447 2448 2451 2451 2551 2552 2553 2553 2553 2553 2553 25	INCL R10 ; POINT TO 4TH COND3 TABLE ELEMENT MOVL R9, COND3_E[R10] ; PUT MY UIC INTO TABLE INCL R10 ; POINT TO 5TH COND3 TABLE ELEMENT ADDL3 #1, R9, COND3 E[R10] ; PUT DIFF MEMBER UIC INTO THE TABLE \$CREMBX_S CHAN=MBXCHAN, LOGNAM=SUBJPRN, - ; GET MAILBOX FOR PROCESS MAXMSG=#120, PROMSK=#0, BUFQUO=#240 SS_CHECK NORMAL ; CHECK NORMAL COMPLETION \$GET CHAN INFO (UNIT NUMBER) PRIBUE=MBXCHANINFO
	019 010 010 010	247 C 248 C 249 6 250	SS CHECK NORMAL . CHECK NORMAL COMPLETION
00000088'EF 00000020'EF	3C 021 021 021 05 023	4 251 F 252 F 253 2 254	MOVZWL MBXCHANINFO+8+DIBSW_UNIT, MBXUNIT; SAVE MAILBOX UNIT NUMBER SBINTIM_S TIMBUF=TIME_PAST, - ; SET UP A PAST TIME IN ABSOLUTE FORMAT TIMADR=ABS_PAST : RETURN TO MAIN ROUTINE
FDBC*	023 023 30 024 05 024	3 255 TM_CL 3 256 1 257 4 258	EANUP:: SDELMBX_S MBXCHAN : DELETE TERMINATION MAILBOX BSBW MOD_MSG_PRINT : PRINT TEST MODULE END MSG RSB : RETURN TO MAIN ROUTINE

\$AI ROI RWI SA

Ph. In SATS SYST SERV TESTS SSCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 CONDITION SUBROUTINES - SETUP AND CLEANU 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1

.SBTTL CONDITION SUBROUTINES - SETUP AND CLEANUP

FUNCTIONAL DESCRIPTION:

CONDX AND CONDX CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE CONDITION X TABLE IS INCLUDED IN THE CONDX SUBROUTINE AND CLEANED UP, IF NECESSARY, IN THE CONDX CLEANUP SUBROUTINE. THIS INCLUDES, ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.

CALLING SEQUENCE:

BSBW CONDX BSBW CONDX_CLEANUP WHERE X = 1,2,3,4,5

INPUT PARAMETERS:

CONFLICT = 0

IMPLICIT INPUTS:

R2.3.4.5.6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.

OUTPUT PARAMETERS:

CONFLICT SET TO NON-ZERO IF COND TABLE CONFLICT DETECTED.

IMPLICIT OUTPUTS:

R2.3.4.5.6 PRESERVED

COMPLETION CODES:

NONE

SIDE EFFECTS:

NONE

COND1::

COND1_CLEANUP::

COND2::

05

05

COND2_CLEANUP::

: RETURN TO MAIN ROUTINE

Mai -\$ \$ 10

SAT

Pai Syll Pai Syll Psi Cri

The 586 The 703 56

943 The MAC

**

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SA'
```

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SATSSS61
V04-000
```

FD4A

00BF

EF 00000131'EF 00000000'EF 00

00000000'EF

```
SATS SYST SERV TESTS SSCH/CANWAK (SUCC FORM_CONDS
                                                                                                                  VAX/VMS Macro V04-00
[UETPSY.SRC]SATSSS61.MAR;1
                                                                                                                                                                                 10 (1)
                                            .SBTTL FORM_CONDS
                                FUNCTIONAL DESCRIPTION:
                                                          FORM_CONDS FORMATS AND PRINTS INFORMATION ABOUT
                                  THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.
                                 CALLING SEQUENCE:
                                           BSBW FORM_CONDS
                                 INPUT PARAMETERS:
                                           NONE
                                 IMPLICIT INPUTS:
                                           R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES

FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.

FOR X = 1,2,3,4,5:

CONDX_T - TITLE TEXT FOR CONDX TABLE

CONDX_TAB - ELEMENT TEXT FOR CONDX TABLE

CONDX_C - CONTEXT OF THE CONDX TABLE

CONDX_E - DATA ELEMENTS OF THE CONDX TABLE
                                 OUTPUT PARAMETERS:
                                           NONE
                                 IMPLICIT OUTPUTS:
                                           NONE
                                 COMPLETION CODES:
                                           NONE
                      SIDE EFFECTS:
                                           NONE
                             FORM_CONDS::
                                           SFAO_S
                                                         MSG1_INP_CTL, FAO_LEN, FAO_DESC, TESTNUM
FORMAT CONDITIONS HEADER MSG
                                                                                                         AND PRINT IT
IS CONDITION 1 NULL ?
NO -- CONTINUE
 30
91
12
31
                                                          OUTPUT_MSG
#COND1_C,#NULL
                                            BSBW
                                           CMPB
                                           BNEQU
                                                          105
                                                                                                         YES -- SUBROUTINE IS FINISHED
                                           BRU
                                                          FORM_CONDSX
                             105:
                                           MOVAL COND1_T.MSG_A : SAVE ADDRESS OF CONDITION 1 TITLE FOR MOVL COND1_TAB[RZ].MSG_B : SAVE ADDR OF COND 1 CURR TEXT ELT FOR MOVB #CONDT_C.MSG_CTXT : SAVE CONDITION 1 CONTEXT FOR FAO MOV_VAL COND1_C.CONDT_E[R2],MSG_DATA1 : GIVE COND 1 DATA VALUE TO FAO
 DE
00
90
                                                                                                        SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO SAVE CONDITION 1 CONTEXT FOR FAO
```

```
SATS SYST SERV TESTS SSCH/CANWAK (SUCC FORM_CONDS
SATSSS61
                                                                                                                                                                                                                                                      16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 
5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1
V04-000
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (1)
                                                                                                                                                                                                                                                                                                                FORMAT AND WRITE CONDITION 1 MSG
IS CONDITION 2 NULL ?
NO -- CONTINUE
                                                                                        FD21"
                                                                                                                                                                                                                         WRITE_MSG2
#COND2_C,#NULL
                                                                                                                                                                                               BSBW
                                                                                               00
                                                                              14
                                                                                                                                                                                               CMPB
                                                                                                                12
                                                                                                                                                                                                                         20$
                                                                                                                                                                                              BNEQU
                                                                                        0096
                                                                                                                                                                                                                         FORM_CONDSX
                                                                                                                                                                                              BRW
                                                                                                                                                                                                                                                                                                                 YES -- SUBROUTINE IS FINISHED
                                                                                                                                                                  205:
                                                                                                                                                                                                                      COND2_TABER3] MSG_B : SAVE ADDRESS COND 2 CURR TEXT ELT FU
#COND2_CAMSG_CTXT : SAVE CONDITION 2 CONTEXT FOR FAO
COND2_C.COND2_EER33, MSG_DATA1 : GIVE COND 2 DATA VALUE TO FAO
WRITE_MSG2 : FORMAT AND WRITE CONDITION 2 MSG
#COND3_CAMPULL : IS CONDITION 3 NULL?
                                                                                                                DE
00
90
                 00000000'EF
                                                                00000188'EF
                                                                                                                                                                                                                                                                                                                 SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO SAVE ADDR OF COND 2 CURR TEXT ELT FOR FAO
                                                                                                                                                                                               MOVAL
                                               0000019E'EF43
          0000000'EF
                                                                                                                                                                                              MOVL
                                                                                                                                                                                              MOVB
                                                                                                                                                                                              MOV VAL
                                                                                                                30
91
12
31
                                                                                        FCF8
                                                                                              00
                                                                                                                                                      CMPB
                                                                                                                                                                                              BNEQU
                                                                                                                                                                                                                         FORM_CONDSX
                                                                                        006D
                                                                                                                                                                                              BRW
                                                                                                                                                                                                                                                                                                                 YES -- SUBROUTINE IS FINISHED
                                                                                                                                                                                                                     COND3_T,MSG_A
COND3_TABER$J,MSG_B
#COND3_C,MSG_CTXT
COND3_C,COND3_EER4J,MSG_DATA1; GIVE COND 3 CURR TEXT ELT FO
WRITE_MSG2
#COND4_C,MNULL
FORM_COND4_C,MNULL
COND4_T,MSG_A
COND4_T,MSG_A
COND4_C,MSG_CTXT
COND4_C,MSG_CTXT
COND4_C,MSG_CTXT
COND4_C,MSG_CTXT
COND4_C,MSG_CTXT
COND4_C,MSG_CTXT
COND4_C,MSG_CTXT
COND4_C,MSG_CTXT
COND5_C,MNULL
FORM_COND5_C,MNULL
FORM_COND5_C,MSG_B
#COND5_C,MNULL
FORM_COND5_C,MSG_B
#COND5_C,MSG_CTXT
COND5_T,MSG_A
COND5_T,MSG_A
COND5_T,MSG_A
COND5_T,MSG_A
COND5_C,MSG_CTXT
COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 CURR TEXT ELT FO
SAVE CONDITION 5 CONTEXT FOR FAO
WRITE_MSG2
FORMAT AND WRITE CONDITION 5 MSG

PETURN_TO_CALLED

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE_COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE_COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_EER6J,MSG_DATA1; GIVE_COND 5 DATA VALUE TO FAO
WRITE_MSG2

**COND5_C,COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND5_COND
                                                                                                                                                                   305:
                 00000000'EF
                                                               000001C6'EF
                                                                                                                DE
DO
90
                                                                                                                                                                                               MOVAL
                                                                                                                                                                                                                                                                                                                 SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO
          00000000'EF
                                                         000001D4'EF44
                                                                                                                                                                                                                                                                                                                 SAVE ADDR OF COND 3 CURR TEXT ELT FOR FAO
                                                                                                                                                                                              MOVL
                                               00000000'EF
                                                                                                                                                                                               MOVB
                                                                                                                                                                                              MOV VAL
                                                                                                                30
91
13
                                                                                               00
                                                                                                                                                                                               CMPB
                                                                                                                                                                                              BEQLU
                                                                                                                DE
DO
90
                                                        0000026F 'EF
0000028F 'EF45
                 00000000 EF
                                                                                                                                                                                                                                                                                                                 SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO SAVE ADDR OF COND 4 CURR TEXT ELT FOR FAO
                                                                                                                                                                                               MOVAL
          00000000'EF
                                                                                                                                                                                              MOVL
                                               00000000'EF
                                                                                                                                                                                              MOVB
                                                                                                                                                                                              MOV VAL
                                                                                                                30
91
13
                                                                              14
                                                                                                                                                                                               CMPB
                                                                                                                                                                                              BEQLU
                                                                                                               DE
DO
90
                                                                                                                                                                                                                                                                                                                 SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO SAVE ADDR OF COND 5 CURR TEXT ELT FOR FAO
                00000000'EF
                                                                0000030B'EF
                                                                                                                                                                                              MOVAL
                                              0000030B'EF46
00000000'EF 14
          00000000'EF
                                                                                                                                                                                              MOVL
                                                                                                                                                     440
                                                                                                                                                                                              MOVB
                                                                                                                                                                                              MOV VAL
                                                                                                                30
                                                                                                                              037A
                                                                                        F C 8 3 '
                                                                                                                              037D
                                                                                                                                                                  FORM_CONDSX:
                                                                                                                05
                                                                                                                              037D
                                                                                                                                                                                              RSB
                                                                                                                                                                                                                                                                                                          : RETURN TO CALLER
```

VAX/VMS Macro V04-00 EUETPSY.SRC]SATSSS61.MAR;1

SA

.SBTTL VERIFY

FUNCTIONAL DESCRIPTION:

VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2.3.4.5.6 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE (\$SCH/CANWAK). THEN, THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED BY EXAMINING THE STATUS CODE RETURNED, THE VALUES FOR RETURN ARGUMENTS AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN ERR EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY, THROUGH THE SS CHECK MACRO); ERR EXIT SETS EFLAG TO NON-ZERO, PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER. WHEN ERR EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED, AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.

CALLING SEQUENCE:

BSBW VERIFY

INPUT PARAMETERS:

NONE

IMPLICIT INPUTS:

R2.3.4.5.6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES

FOR COND TABLES 1.2.3.4.5, RESPECTIVELY.

FOR X = 1.2.3.4.5:

CONDX E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX

TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM

OUTPUT PARAMETERS:

NONE

IMPLICIT OUTPUTS:

VERIFY HAS NO OUTPUT. SINCE ITS PURPOSE IS TO TEST FOR ERRORS, IT MERELY RETURNS TO CALLER NORMALLY AFTER THE TESTS, PROVIDING ALL WERE SUCCESSFUL; IF AN ERROR IS DISCOVERED, RETURN IS VIA AN ERR_EXIT OR SS_CHECK MACRO, BOTH OF WHICH DOCUMENT DETECTED ERRORS.

COMPLETION CODES:

EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.

FOR CONDX_E.

SIDE EFFECTS:

SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT (VIA RSB) IF ERROR ENCOUNTERED.

460

SATSSS61 V04-000		SATS S VERIFY	YST SERV TES		H/CANWA	B 11 K (SUCC 16-SEP-1984 00 5-SEP-1984 04	:59:38 VAX/VMS Macro V04-00 Page 13 :32:50 [UETPSY.SRC]SATSSS61.MAR;1 (1)
	00000000°EF 03 FF0B	95 (13 (30 (37E 508	8	EQL	CFLAG 58 FORM_CONDS	; SHOULD CONDITIONS BE PRINTED ? : NO CONTINUE ; YES FMT & PRINT ALL CONDS FOR THIS T.C.
0000011C'EF 0000025B'EF44	00000114°EF 00000110°EF 00000130°EF 00000000°EF 03		386 510 389 511 55 389 512 394 513 39A 514 3A0 515 3AC 516 3AE 517 3B1 518 75 3B1 519 3B1 520 3B1 521	M C C C B	OVL LRL LRB MPL NEQU	SELFPID, SUBJPID ZEROPID LONG_WAIT ONES, COND3_E[R4] 7\$ 10\$: ASSUME THE SUBJECT PID IS SELF : CLEAR ZERO PID : INITIALIZE LONG WAIT INDICATOR : IS PROCESS FOR THIS TEST CASE SELF ? : NO CONTINUE : YES DON'T CREATE A PROCESS
0000011C'EF	00000118°EF	00	3B1 518 75 3B1 519 3B1 520 3B1 521 3E8 522 3E8 523 416 524	S	S_CHECK	S PIDADR=CREPID, PRCNAM: UIC=COND3 E[R4], IMAGI MBXUNT=MBXUNIT;, QUOTA NORMAL CREPID, SUBJPID	=SUBJPRN, - E=IMAGNAM, - A=QUOTALIST ; CREATE THE SUBJECT PROCESS ; AND MAKE SURE IT CREATED OK ; MAKE THE SUBJCT PID = THE ONE JUST CREATED
0000010C 'EF 59 57	0000017C'EF42 000001BE'EF43 000002EB'EF45	DO 0	421 525 10 421 526 420 527 435 528 430 529 44C 530 47A 531	18.		COND1_E[R2],DEST_PIDADR COND2_E[R3],R9 COND4_E[R5],R7 S SUBJPID NORMAL S DAYTIM=DELTA_10SEC, - ASTADR=WATCH_AST	
00000120°EF 00000124°EF	000000B8'EF 000000BC'EF	(0 (\$ S A	GETTIM S CHECK DDL	S ABS 3SEC	CHECK FOR NORMAL RETURN GET CURRENT TIME CHECK FOR NORMAL RETURN ADD 3 SECONDS TO LOWER LONGWORD ADD POSSIBLE CARRY TO HIGHER LONGWORD ABS_3SEC IS NOW VALID IF USED IN \$SCHDWK
			510 540 : 510 541 : 510 542				HE SUBJECT OF THIS TEST CASE ***** PRONAM=(R9), -
00000000°EF	00000'8F 50 00000000'8F 00000'EF 50	13 (00 (00 (505 537 510 538 510 540 5 510 541 5 510 542 510 543 523 544 524 545 526 546 537 547		MPL FOLU	S PIDADR=@DEST_PIDADR, F DAYTIM=(R7), REPTIM=(F RO,#SS\$_NORMAL 15\$ #SS\$_NORMAL,EXPV RO,RECV LONG, <incorrect_status< td=""><td>R8) CODE RECEIVED = CODE EXPECTED ? YES CONTINUE NO LOAD UP EXPECTED AND RECEIVED VALUES, THEN EXIT CODE RETURNED FROM SCHOWK></td></incorrect_status<>	R8) CODE RECEIVED = CODE EXPECTED ? YES CONTINUE NO LOAD UP EXPECTED AND RECEIVED VALUES, THEN EXIT CODE RETURNED FROM SCHOWK>
0000010C 'FF 00000000 'EF 00000000 'EF	0000010C'EF 68 0000011C'EF 0000011C'EF 0000010C'FF	D5 (13 (13 (14 (14 (14 (14 (14 (14 (14 (14 (14 (14	58D 550 593 551 595 552 5A0 553 5A2 554 5AD 555	B C B M	STL EQL MPL EQL	DEST_PIDADR 20\$ SUBJPID.@DEST_PIDADR 20\$ SUBJPID.EXPV	PID RETURNED BY SCHOWK? NO KEEP GOING YES IS IT THE CORRECT ONE? YES CONTINUE NOLOAD UP EXPECTED AND RECEIVED VALUES, THEN EXIT
	2E 50	E8 (5FD 557 20 5FD 558 606 559)5: \$	CLREF_S	EFN=#32 RO,25\$	CLEAR EVENT FLAG 32 KEEP GOING IF OK

```
SATS SYST SERV TESTS $SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 VERIFY 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1
SATSSS61
V04-000
                                                                                     S5_CHECK NORMAL
                                                                                                                                      ; USE SS_CHECK MACRO TO TERMINATE TEST MOD
                                                                        25$:
                                                                                      SSETIMR_S EFN=#32, -
                                                                                                                                      : SET A 2-SECOND TIMER
                                                         0637
                                                                                                     DAYTIM=DELTA_2SEC
                                                         0648
                                                                                      SS CHECK NORMAL
                                                                                                                                      : CHECK FOR NORMAL RETURN
                                                                                     SWAITER S EFN=#32
SS_CHECK_NORMAL
                                                         0676
                                                                                                                                      : WAIT 2 SECONDS TO ALLOW PROPER SYNCH'N
                                                         067F
                                                                                                                                         CHECK FOR NORMAL RETURN
                             00000110'EF
                                                  04
                                                        06AD
                                                                                      CLRL
                                                                                                 ZEROPID
                                                                                                                                         CLEAR OUT ZERO PID SCHOWK MAY HAVE SET
                                                         06B
                                                         06B
                                                                            ***** SYSTEM SERVICE CALL WHICH IS THE SUBJECT OF THIS TEST CASE *****
                                                         06B
                                                        06B
                                                                                     SCANWAK_S PIDADR=@DEST_PIDADR, PRCNAM=(R9)
                                                         06C
                                                                                                                                         CANCEL SCHEDULED WAKE OR REPEAT
                                                        060
                     00000000'8F
                                                                                                                                         CODE RECEIVED = CODE EXPECTED ?
                                                                                                  RO, #SS$_NORMAL
                                                         0609
                                                                                                 30$
                                                                                      BEQLU
                                                                                                                                         YES -- CONTINUE
                                                                                                 #SSS_NORMAL, EXPV
                            000000000 8F
0000'EF 50
       00000000'EF
                                                  DO
                                                        06CB
                                                                                      MOVL
                                                                                                                                         NO -- LOAD UP EXPECTED AND
                                                                                     MOVL RO, RECV : . . RECEIVED VALUES, THEN EXIT ERR_EXIT LONG, < INCORRECT STATUS CODE RETURNED FROM CANWAK>
                     00000000'EF
                                                  00
                                                        0606
                                                        06DD
072C
072C
0732
0734
                                                                         30$:
                                                  D5
13
D1
13
                             0000010C'EF
                                                                                                 DEST_PIDADR
                                                                                      TSTL
                                                                                                                                         PID RETURNED BY CANWAK ?
                                                                                      BEQL
                                                                                                 40$
                                                                                                                                         NO -- KEEP GOING
                             0000011C'EF
                                                                                                 SUBJPID, aDEST_PIDADR
       0000010C'FF
                                                                                                                                      : YES -- IS IT THE CORRECT ONE ?
                                                                                      CMPL
                                                                                                                                        YES -- CONTINUE
                                                        073F
                                                                                      BEQL
                                                                                     MOVL SUBJPID EXPV : NO --LOAD UP EXPECTED AND MOVL adest Pidadr Recv : Received values, then exit err_exit long, <incorrect pid returned by Canwak>
       00000000'EF
                             0000011C'EF
                                                  DO
                                                                   584
585
586
587
588
589
590
                             0000010C'FF
                                                  DO
                                                        0790
                                                                         405:
                                                  D1
13
31
                                                                                                                                      : WAS A PROCESS CREATED ?
: YES -- GO WAIT FOR IT TO END
: NO -- GO ISSUE HIBER
                             00000118'EF
       0000011C'EF
                                                        0790
                                                                                                 CREPID, SUBJPID 50$
                                                                                     CMPL
                                          03
                                                                                     BEQLU
                                       014F
                                                        07A9
                                                                                     BRW
                                                                                                 60$
                                                                        50$:
                                                        07AC
                                                                                     $ASCEFC S EFN=#64, NAME=CLUSTER; ASSOC WITH CLUSTER FOR PROCESS SYNCHRO'N SS CHECK NORMAL; CHECK FOR NORMAL STATUS
$SETEF S EFN=#65
$S CHECK WASCLR; BIT 65 SHOULD HAVE BEEN CLEAR
$WAITER S EFN=#64; WAIT UNTIL CREATED PROC CAN HIBERNATE
$S CHECK NORMAL; CHECK FOR NORMAL RETURN
DISASSOC CLUSTER
$CHECK NORMAL; CHECK FOR NORMAL STATUS
                                                                   591
592
593
594
596
597
598
600
601
603
                                                                                      $QIOW_S CHAN=MBXCHAN, FUNC=#10$_READVBLK, -
                                                                                                 P1=MBXBUFF+8, P2=MBXBUFF
                                                                                                                                        WAIT FOR CREATED PROCESS TO SEND MAIL CHECK FOR NORMAL STATUS CODE ... AND GO SEE IF WE WERE STUCK IN HIBER
                                                         08CB
                                                                                     SS CHECK NORMAL
BRB 70$
                                                         08CB
                                          35
                                                  11
                                                                   604
                                                                         605:
                                                        08FB
0902
                                                                                     SHIBER S
SS_CHECK NORMAL
                                                                                                                                      : HIBERNATE TO SATISFY OUTSTANDING WAKE
                                                                                                                                      : ... MAKE SURE IT FINISHED OK
                                                         0930
                                                                        705:
                                                         0930
                                                                             CHECK TO SEE IF STUCK IN HIBER .... IF LONG WAIT IS SET AND DID NOT EXPECT LONG WAIT, ISSUE ERR_EXIT SAYING "STUCK IN HIBER".
                                                         0930
                                                        0930
                                                        0930
                                                        0930
                                                                   612
                                                                                                                                      DID WE WAIT A LONG TIME ?
NO -- THIS TEST CASE IS FINISHED
YES -- DID WE EXPECT TO REMAIN IN HIB'N ?
YES -- THAT'S OK
                                                        0930
0936
                             00000130'EF
                                                  95
13
05
13
                                                                                      TSTB
                                                                                                  LONG WAIT
                                                                                                 VERIFYX
                                                                                      BEQL
                                                                                      TSTL
                                                                                                  VERIFYX
                                                                                      BEQL
```

SATS SYST SERV TESTS \$SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 Page 15 VERIFY

000000000°EF 94 093C 617 CLRB EXPV : NO -- SOMETHING WENT WRONG ... LOAD UP CLRB RECV EXPECTED & RECEIVED VALUES, THEN EXIT DAYS OP94 620 VERIFYX: RSB : RETURN TO CALLER

SATSSS61 V04-000

```
.SBTTL VFY_CLEANUP
                                                                        FUNCTIONAL DESCRIPTION:
                                                                       VFY CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY CLEANUP MUST ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN ERROR IS FOUND). ALSO, VFY CLEANUP MAY ISSUE SS CHECK OR ERR EXIT ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS; THIS IS REQUIRED IN THE EVENT THAT VFY CLEANUP IS CALLED DURING ERROR PROCESSING, WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN POSSUELY OF THE PROPERTY OF THE PROPER
POSSIBLY DISCOVERING A SECOND ERROR.
                                                                         CALLING SEQUENCE:
                                                                                                          BSBW VFY_CLEANUP
                                                                         INPUT PARAMETERS:
                                                                                                           NONE
                                                                         IMPLICIT INPUTS:
                                                                                                         R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES FOR COND TABLES 1,2,3,4,5, RESPECTIVELY. FOR X = 1,2,3,4,5:
                                                                                                                                                        CONDX E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
                                                                                                                                                                   ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
                                                                                                                                                                   FOR CONDX_E.
                                                                        OUTPUT PARAMETERS:
 0995
                                                                                                           NONE
0995
0995
0995
0995
0995
0995
                                                                         IMPLICIT OUTPUTS:
                                                                                                           NONE
```

EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.

COMPLETION CODES:

```
SATS SYST SERV TESTS SSCH/CANWAK (SUCC
SATSSS61
V04-000
                                                                                                                                                                                                                                                                                                                                                                          18 (2)
                                                                                                                                                                                                              16-SEP-1984 00:59:38
5-SEP-1984 04:32:50
                                                                                                                                                                                                                                                                         VAX/VMS Macro V04-00
[UETPSY.SRC]SATSSS61.MAR;1
                                                                                                                                                                                                                                                                                                                                                           Page
                                                                                          WATCH_AST
                                                                                                                                                              .SBTTL WATCH_AST
                                                                                                         685
686
687
688
689
699
698
699
701
703
                                                                                                                                           WATCH AST SHOULD BE ENTERED ONLY WHEN THE CREATING OR CREATED PROCESS IS HIBERNATING. IT IS SCHEDULED WITH A 10-SECOND TIMER, WHICH IS CANCELED BEFORE DELIVERY IN ALL CASES EXCEPT WHEN THE SUBJECT PROCESS GOES INTO AN UNSATISFIED HIBERNATION. WHEN WATCH AST IS ENTERED, IT SETS A FLAG INDICATING IT WAS ENTERED (LONG WAIT) TO NON-ZERO, AND ISSUES A SWAKE FOR THE SUBJECT PROCESS; THIS SHOULD CLEAR THE HIBERNATION. BACK IN THE MAIN ROUTINE, A CHECK IS MADE TO SEE IF THE WATCH AST WAS ENTERED AND WHETHER OR NOT SUCH ENTRY WAS EXPECTED. AN UNEXPECTED ENTRY TO WATCH AST CAUSES AN ERR EXIT.
                                                                                                                                       WATCH_AST:
                                                                                      0000
                                                                                                                                                              . WORD
                                                                                                                                                                                                                                                              ENTRY MASK
                                                                                                                                                              MOVE ONES, LONG_WAIT
              00000130'EF
                                                     000000000 'EF
                                                                                                                                                                                                                                                             INDICATE THAT THE AST WAS ENTERED WAKE THE (PRESUMABLY) HIBERNATING PROCESS
                                                                                             04
                                                                                                                                                                                                                                                              ... AND GET OUT
                                                                                                                                                              RET
                                                                                                                                                               .END
```

SATSSS61 Symbol table	SATS SYST SERV TE	ESTS SSCH/CANWAK (SUCC	16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1	Page	19 (2)
S\$\$\$ \$\$\$CHARS \$\$\$CHARS2 \$\$\$CHARS3 \$\$\$CHARS3 \$\$\$CHARS5 \$\$\$CHARS5 \$\$\$COND A \$\$\$STRINGS2 \$\$\$TINGS2 \$\$\$T1 \$\$\$T2 ABS_3SEC ABS_PAST BYTE CFLAG CHMRIN CHM_CONT CLUSTER COMP_SC CONDT COND1_C COND1_C COND1_T COND1_T COND1_T COND1_T COND1_T COND2_T COND2_C COND2_C COND2_C COND2_T COND2_T COND3_T COND3_T COND3_T COND3_T COND3_T COND3_T COND3_T COND3_T COND3_T COND4_C COND4_C COND4_C COND4_C COND4_C COND4_C COND4_C COND4_C COND5_T	= 00000014 = 00000014 = 000000000000000000000000000000000000	CTLSGL PHD DELTA-1SEC DELTA-3SEC DELTA-3SEC DELTA-3SEC DELTA-3SEC DELTA-3SEC DELTA-GSEC	00000008 R 02 00000000 R 02 00000000 R 02 00000010 G 02 00000010 G 03 00000000 R 02 0000000 R 03		

```
16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 
5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1
 SATSSS61
                                             SATS SYST SERV TESTS $SCH/CANWAK (SUCC
                                                                                                                                                                                     20
                                                                                                                                                                             Page
 Symbol table
 SYS$CANWAK
                                                                    SYSSCLREF
SYSSCMKRNL
                                               *******
                                                             GX
                                                             GX
SYS$CREMBX
                                                             GX
GX
GX
GX
SYS$CREPRO
SYSSDACEFC
SYS$DELMBX
SYS$DELPRC
SYSSFAO
SYSSGETCHN
                                                             GX
GX
GX
GX
GX
GX
GX
GX
SYSSGETTIM
SYSSHIBER
SYSSQIOW
SYS$SCHDWK
SYS$SETEF
SYS$SETIMR
SYS$SETPRN
SYS$SETPRV
SYSSWAITER
SYSSWAKE
                                               ******
TESTNUM
                                               ******
TEST MOD NAME
TEST MOD NAME D
TEST MOD SUCC
TIME PAST
TMD ADDR
TM CLEANUP
TM SETUP
                                               00000000 RG
                                               00000009 R
                                               ******
                                               000000CO R
                                               ******
                                               00000233 RG
                                               00000000 RG
0000037E RG
00000994 R
00000995 RG
VERIFY
VERIFYX
VFY_CLEANUP
VFY_CLEANUPX
WATCH_AST
                                               000009C9 R
                                            = 000009CA R
= 00000002 G
WORD
WRITE MSG2
ZEROPID
                                                                    04
                                               ******
                                               00000110 R
                                                                    4------
                                                                      Psect synopsis!
PSECT name
                                             Allocation
                                                                         PSECT No.
                                                                                         Attributes
 -------
                                             00000000
00000000
000000E0
0000030C
                                                                         00
01
02
03
                                                                                                                             LCL NOSHR NOEXE NORD
LCL NOSHR NOEXE RD
LCL NOSHR NOEXE RD
LCL NOSHR NOEXE RD
LCL NOSHR EXE RD
                                                                  0.)
                                                                                  0.)
                                                                                                                                                            NOWRT NOVEC BYTE
     ABS
                                                                                         NOPIC
NOPIC
NOPIC
NOPIC
 SABS$
                                                                                                    USR
                                                                                                             CON
                                                                                                                     ABS
                                                                                                                     REL
REL
REL
 RODATA
                                                                                                    USR
                                                                                                             CON
                                                                                                                                                            NOWRT NOVEC LONG
 RWDATA
                                                                                                    USR
                                                                                                             CON
                                                                                                                                                               WRT NOVEC LONG
                                              000009E7
                                                                                                            CON
 SATSSS61
                                                                                                    USR
                                                                                                                                                               WRT NOVEC BYTE
                                                                  Performance indicators
Phase
                                                         CPU Time
                                                                              Elapsed Time
                                    Page faults
                                                                             00:00:00.36
                                                        00:00:00.08
 Initialization
 Command processing
```

Page

```
SATSSS61
VAX-11 Macro Run Statistics

SATS SYST SERV TESTS $SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1

Pass 1
Symbol table sort
Pass 2
Symbol table output
Psect synopsis output
Psect synopsis output
Cross-reference output
Assembler run totals

SATS SYST SERV TESTS $SCH/CANWAK (SUCC 16-SEP-1984 00:59:38 VAX/VMS Macro V04-00 5-SEP-1984 04:32:50 [UETPSY.SRC]SATSSS61.MAR;1

0 00:00:00:08 00:00:096
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```

The working set limit was 1500 pages.
58672 bytes (115 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 512 non-local and 76 local symbols.
703 source lines were read in Pass 1, producing 29 object records in Pass 2.
56 pages of virtual memory were used to define 46 macros.

! Macro library statistics !

Macro Library name

\$255\$DUA28:[SHRLIB]UETP.MLB;1

\$255\$DUA28:[SYS.OBJ]LIB.MLB;1

\$255\$DUA28:[SYSLIB]STARLET.MLB;2

TOTALS (all libraries)

Macros defined

8

2

33

43

943 GETS were required to define 43 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSS61/OBJ=OBJ\$:SATSSS61 MSRC\$:SATSSS61/UPDATE=(ENH\$:SATSSS61)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

0424 AH-BT13A-SE

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